

Title (en)

ANTENNA FOR RECEIVING SATELLITE SIGNALS AND TERRESTRIAL SIGNALS AND ANTENNA MODIFICATION DEVICE

Title (de)

ANTENNE FÜR DEN EMPFANG VON SATELLITENSIGNALEN UND TERRESTRISCHEN SIGNALEN UND ANTENNENMODIFIKATIONS-VORRICHTUNG

Title (fr)

ANTENNE SERVANT A LA RECEPTION DE SIGNAUX DE SATELLITES ET DE SIGNAUX TERRESTRES, ET DISPOSITIF DE MODIFICATION D'ANTENNE

Publication

EP 1214752 B1 20030528 (DE)

Application

EP 00926895 A 20000412

Priority

- DE 19944505 A 19990916
- EP 0003293 W 20000412

Abstract (en)

[origin: WO0120721A1] The invention relates to an antenna for receiving satellite signals and terrestrial signals. Said antenna comprises a monopole (12) with a first end that is linked with a feeding point (14) and a second end and an unfed dipole (16) that is mounted in axial alignment with the monopole (12) and at a distance to the second end of the monopole. With the inventive design the maximum antenna gain is at an elevation angle of about 45 DEG . The invention also relates to an antenna modification device that comprises a dipole and a connecting element by means of which the dipole is linked with the end of an existing monopole antenna in such a manner that the dipole is unfed and is mounted in axial alignment with the monopole and at a distance to the second end of the monopole.

IPC 1-7

H01Q 9/38; **H01Q 9/44**

IPC 8 full level

H01Q 9/30 (2006.01); **H01Q 9/32** (2006.01); **H01Q 9/38** (2006.01); **H01Q 9/44** (2006.01); **H01Q 21/08** (2006.01)

CPC (source: EP US)

H01Q 9/30 (2013.01 - EP US); **H01Q 9/32** (2013.01 - EP US); **H01Q 9/38** (2013.01 - EP US); **H01Q 9/44** (2013.01 - EP US); **H01Q 21/08** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 0120721 A1 20010322; DE 19944505 A1 20010419; DE 19944505 C2 20011018; DE 50002387 D1 20030703; EP 1214752 A1 20020619; EP 1214752 B1 20030528; HK 1046332 A1 20030103; HK 1046332 B 20031017; US 2002089460 A1 20020711; US 6633263 B2 20031014

DOCDB simple family (application)

EP 0003293 W 20000412; DE 19944505 A 19990916; DE 50002387 T 20000412; EP 00926895 A 20000412; HK 02107878 A 20021030; US 9040202 A 20020304